

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**C. Amendments to the Claims.**

1. **(Currently Amended)** A method of verifying a reticle, comprising the steps of:
 - providing a substrate having a uniform surface;
 - 5 depositing a non-resist layer over the uniform surface of the substrate;
 - forming a layer of resist over the non-resist layer;
 - forming a reticle pattern in the layer of resist;
 - transferring the reticle pattern to the non-resist layer;
 - forming a conformal layer over the non-resist layer, wherein the non-resist
 - 10 layer includes a transferred reticle pattern, at least a portion of the transferred
 - reticle pattern extending through the non-resist layer; and
 - inspecting the transferred reticle pattern for defects by comparing the
 - transferred reticle pattern with a ~~known~~-good reticle pattern.
2. **(Original)** The method of claim 1, wherein:
 - 15 the conformal layer comprises a conductive material.
3. **(Original)** The method of claim 2, wherein:
 - the conformal layer comprises titanium.
4. **(Previously Presented)** The method of claim 3, wherein:
 - the conformal layer further comprises a plurality of stacked layers
 - 20 comprising a layer of titanium nitride formed over a layer of titanium.
5. **(Previously Presented)** The method of claim 2, wherein:
 - the transferred reticle pattern in the non-resist layer includes features
 - having a minimum size L, and the conformal layer has a thickness of no more
 - than 1/2L.
- 25 6. **(Original)** The method of claim 2, wherein:
 - the conformal layer has a thickness of no more than 1000Å.

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7. (Previously Presented) The method of claim 1, wherein:

the non-resist layer comprises silicon oxide.

8. (Previously Presented) The method of claim 7, wherein:

the non-resist layer comprises a layer of undoped silicon dioxide formed
5 on a layer of phosphosilicate glass.

9. (Currently Amended) The method of claim 1, wherein:

the thickness of the non-resist layer is in the ~~general~~ range of about 2500Å to
about 6000Å.

10. (Previously Presented) The method of claim 1, wherein:

10 the thickness of the non-resist layer is at least 5000Å.

11. (Currently Amended) The method of claim 1, wherein:

the ~~substrate~~-uniform substrate comprises a silicon.

12. (Currently Amended) A method of verifying a reticle, comprising the steps of:

providing a substrate having a uniform surface;

15 depositing a non-resist layer over the uniform surface of the substrate;

forming a layer of resist over the non-resist layer;

forming a reticle pattern in the layer of resist;

transferring the reticle pattern to the non-resist layer;

forming a conductive conformal layer with a thickness of at least 100Å

20 over the transferred reticle pattern in the non-resist layer, at least a portion of a
transferred reticle pattern extending through the non-resist layer; and

inspecting the reticle pattern in the deposited layer by comparing the
transferred reticle pattern to a ~~known~~-good reticle pattern.

13. (Previously Presented) The method of claim 12, wherein:

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inspecting the transferred reticle pattern by means of automatic pattern inspection equipment.

14. (Previously Presented) The method of claim 13, wherein:

5 inspecting the transferred reticle pattern includes automatically aligning a wafer in the automatic pattern inspection equipment with the transferred reticle pattern formed in the non-resist layer.

15. (Previously Presented) The method of claim 12, wherein:

the transferred reticle pattern comprises a transferred contact reticle pattern.

16. (Previously Presented) The method of claim 12, further including:

10 the step of transferring the reticle pattern to the non-resist layer includes etching the non-resist layer, and removing the patterned layer of resist.

17. (Currently Amended) A method, comprising the steps of:

15 providing a substrate having a uniform surface;
depositing a non-resist layer over the uniform surface of the substrate;
forming a layer of resist over the non-resist layer;
forming a reticle pattern in the layer of resist;
transferring the reticle pattern to the non-resist layer, at least a portion of the transferred reticle pattern extending through the non-resist layer;
20 forming a conformal layer over the non-resist layer to thereby increase contrast between patterned and non-patterned portions of the non-resist layer; and
inspecting the reticle patterned layer by comparing the transferred reticle pattern to a known-good reticle pattern.

18. (Previously Presented) The method of claim 17, wherein:

25 forming the non-resist layer comprises depositing a silicon oxide containing layer.

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19. (Previously Presented) The method of claim 17, wherein:
the conformal layer is formed by depositing at least one conductive layer.

20. (Previously Presented) The method of claim 19, wherein:
the conformal layer further comprises an interconnect adhering layer.

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